STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL SURVEY
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SURFICIAL GEOLOGY OF THE BAINBRIDGE QUADRANGLE, OHIO

by
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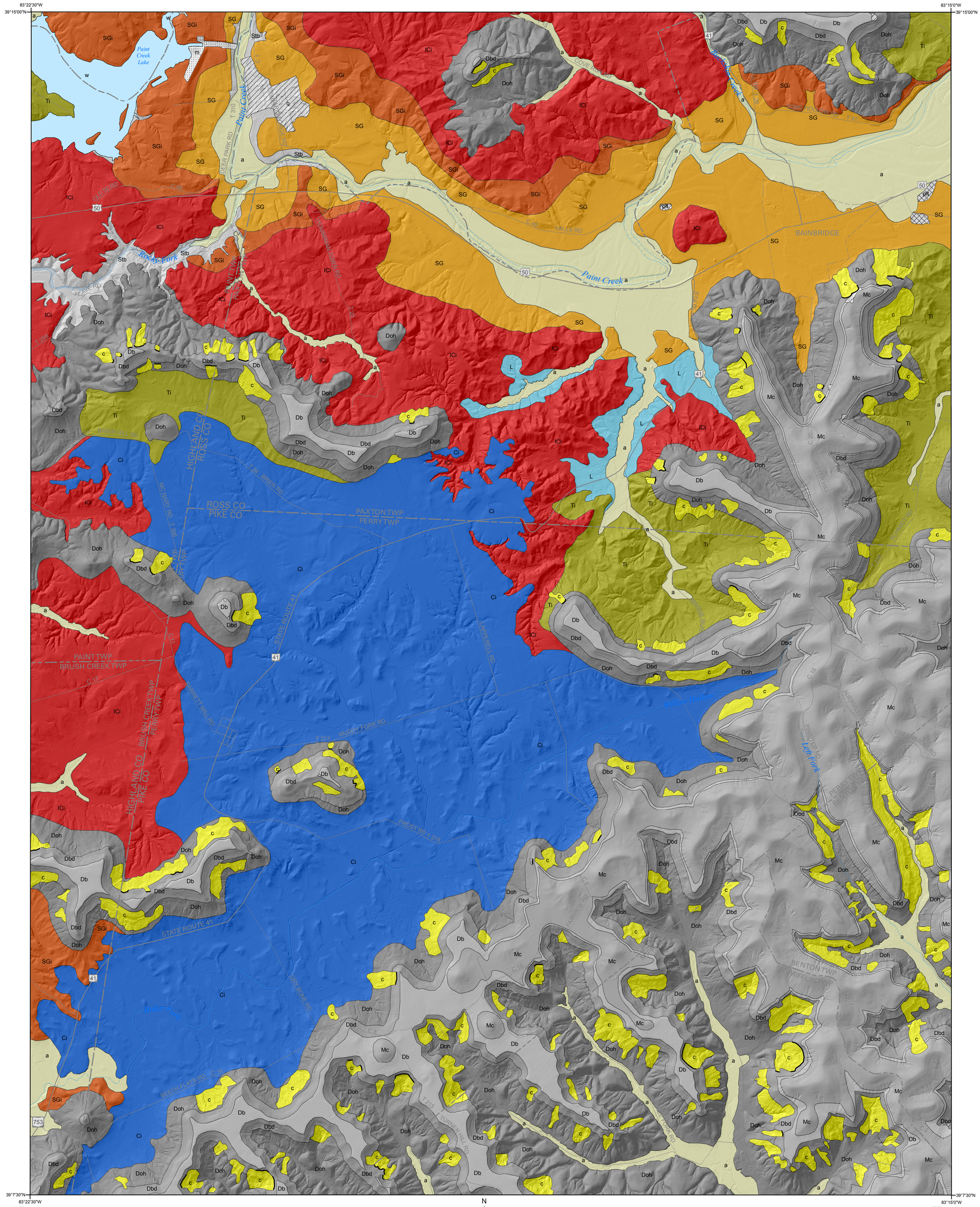
with GIS and Cartography by Dean R. Martin

Digital Map Series SG-4A
Bainbridge
8/2015



UNIT DESCRIPTIONS

- Water. Large modern lakes and reservoirs.
- m — Made land. Large cut-and-fill areas.
- pit — Sand-and-gravel pit.
- q — Quarry.
- a — Alluvium (Holocene). Found within floodplains of modern streams.
- c — Thick colluvium and landslide debris (Holocene and Pleistocene?).
- L — Clay and silt (Wisconsinan). Massive to laminated; may contain thin, interbedded, fine sand and minor gravel. Deposited in lakebeds at the ice margin.
- SG — Sand and gravel (Wisconsinan). Stratified sand and gravel with thin, discontinuous layers of silt and clay. Deposited as valley trains and outwash plains.
- Ci — Clay and silt (Illinoian). Massive to laminated; may contain thin, interbedded, fine sand and minor gravel; deeply weathered, leached, and dissected. Deposited in lakebeds at the ice margin.
- SGi — Sand and gravel (Illinoian). Similar to SG above, but more deeply weathered, leached, and dissected.
- ICi — Ice-contact deposits (Illinoian). Highly variable deposits of poorly sorted gravel and sand; silt, clay, and till lenses common; may be partially covered or surrounded by till. Deposited directly from stagnant ice as kame or esker landforms; deeply weathered, leached, and dissected.
- Ti — Loam till (Illinoian). Deeply weathered, leached, and dissected. Overlain by up to 4 feet of loess where not eroded. Till may contain silt, sand, and gravel lenses. Deposited directly from ice.
- Mc — Cuyahoga Formation (Mississippian). Sandstone, siltstone, and shale; thin to massive bedding; mainly shades of gray, olive, brown, and yellow.
- Db — Berea Sandstone (Devonian). Gray to shades of brown; medium grained to silty.
- Dbd — Bedford Shale (Devonian). Gray, red, and brown; silty to clayey; locally abundant siltstone and sandstone interbeds.
- Doh — Ohio Shale (Devonian). Mostly black; carbonaceous; calcareous concretions common in lower portion.
- Stb — Tymochtee, Greenfield, and Peebles Dolomites and Lilley and Bisher Formations undivided (Silurian). Thin to thick, interbedded dolomites and shales.

Significant landslide

Location of Bainbridge 1:24,000 quadrangle in Ohio.

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Basemap derived from various State of Ohio datasets
Projection is Ohio coordinate system, south zone
North American Datum 1983

Great Lakes
GEOLOGIC MAPPING COALITION